Name of Work: Improvements to Main roads and drains at Maruthi Nagara

Detailed Measurements on 13/4, 14/4, 16/4 & 17/4/18.

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
19	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4 % VG-30 Bitumen (P.No.165, I.No. 21.22.6)							
	Balaji Layout							
	1st main							
	Ch:0.00m to 30.00m		1	30.00	(7.00 + 6.50)/2	0.04	8.10	
	Ch:30.00m to 60.00m		1	30.00	(6.50 + 6.25)/2	0.04	7.65	
	Ch:60.00m to 90.00m		1	30.00	(6.25 + 5.50)/2	0.04	7.05	
	Ch:90.00m to 99.80m		1	9.80	(5.50 + 5.10)/2	0.04	2.08	
	3rd cross							
	Ch:0.00m to 30.00m		1	30.00	(5.20 + 4.70)/2	0.04	5.94	
	Ch:30.00m to 60.00m		1	30.00	(4.70 + 4.65)/2	0.04	5.61	
	Ch:60.00m to 90.00m		1	30.00	(4.65 + 4.30)/2	0.04	5.37	
	Ch:90.00m to 120.00m		1	30.00	(4.30 + 4.05)/2	0.04	5.01	
	Ch:120.00m to 126.40m		1	6.40	(4.05 + 3.70)/2	0.04	0.99	
	2nd cross							
	Ch:0.00m to 30.00m		1	30.00	(4.60 + 3.90)/2	0.04	5.10	
	Ch:30.00m to 60.00m		1	30.00	(3.90 + 4.90)/2	0.04	5.28	
	Ch:60.00m to 90.00m		1	30.00	(4.90 + 4.50)/2	0.04	5.64	
	Ch:90.00m to 120.00m		1	30.00	(4.50 + 4.30)/2	0.04	5.28	

17/4 E.E. (Project)

17/4 E.E. (Project)

17/4 E.E. (Project)

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	Ch:120.00m to 134.00m		1	14.00	$\frac{4.30 + 4.60}{2}$	0.04	2.49	
	Vikas Layout							
	1st main							
	Ch:0.00m to 30.00m		1	30.00	$\frac{4.70 + 5.00}{2}$	0.04	5.82	
	Ch:30.00m to 60.00m		1	30.00	$\frac{5.00 + 4.90}{2}$	0.04	5.94	
	Ch:60.00m to 72.40m		1	12.40	$\frac{4.90 + 4.75}{2}$	0.04	2.39	
	3rd cross							
	Ch:0.00m to 30.00m		1	30.00	$\frac{6.10 + 6.05}{2}$	0.04	7.29	
	Ch:30.00m to 39.80m		1	9.80	$\frac{6.05 + 6.40}{2}$	0.04	2.44	
	culvert gap							
	Ch:0.00m to 30.00m		1	30.00	$\frac{6.10 + 5.30}{2}$	0.04	6.84	
	Ch:30.00m to 60.00m		1	30.00	$\frac{5.30 + 5.60}{2}$	0.04	6.54	
	Ch:60.00m to 68.10m		1	8.10	$\frac{5.60 + 5.80}{2}$	0.04	1.85	
	2nd main							
	Ch:0.00m to 30.00m		1	30.00	$\frac{5.80 + 5.35}{2}$	0.04	6.69	
	Ch:30.00m to 60.00m		1	30.00	$\frac{5.35 + 4.90}{2}$	0.04	6.15	
	Ch:60.00m to 66.15m		1	6.15	$\frac{4.90 + 6.00}{2}$	0.04	1.34	
	2nd cross							
	Ch:0.00m to 30.00m		1	30.00	$\frac{6.30 + 5.80}{2}$	0.04	7.26	
	Ch:30.00m to 60.00m		1	30.00	$\frac{5.80 + 6.00}{2}$	0.04	7.08	
	Ch:60.00m to 64.50m		1	4.50	$\frac{6.00 + 5.75}{2}$	0.04	1.06	
	4th cross							
	Ch:0.00m to 30.00m		1	30.00	$\frac{4.10 + 4.00}{2}$	0.04	4.86	
	Ch:30.00m to 60.00m		1	30.00	$\frac{4.00 + 4.20}{2}$	0.04	4.92	
	Ch:60.00m to 78.50m		1	18.50	$\frac{4.20 + 4.30}{2}$	0.04	3.15	

17/4 E.E. (Project)

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	1st cross								
	Ch:0.00m to 30.00m		1	30.00	(5.05 + 4.95)/2		0.04	6.00	
	Ch:30.00m to 60.00m		1	30.00	(4.95 + 4.90)/2		0.04	5.91	
	Ch:60.00m to 90.00m		1	30.00	(4.90 + 4.70)/2		0.04	5.76	
	Ch:90.00m to 120.00m	17/4	1	30.00	(4.70 + 4.30)/2		0.04	5.40	
	Ch:120.00m to 121.00m	E.E. (Project)	1	1.00	(4.30 + 4.25)/2		0.04	0.17	
	Nandini Lokesh Rd								
	Ch:0.00m to 3.00m		1	3.00	(5.40 + 6.70)/2		0.04	0.73	
	Ch:3.00m to 26.80m	17/4 E.E. (Project)	1	23.80	(6.70 + 6.40)/2		0.04	6.24	
	33rd cross, Visvesvaraiah layout								
	Ch:0.00m to 26.00m		1	26.00	(6.30 + 6.10)/2		0.04	6.45	
	Ch:26.00m to 56.00m		1	30.00	(6.10 + 5.75)/2		0.04	7.11	
	Ch:56.00m to 86.00m		1	30.00	(5.75 + 6.05)/2		0.04	7.08	
	Ch:86.00m to 94.20m	17/4 E.E. (Project)	1	8.20	(6.05 + 5.60)/2		0.04	1.91	
	Ch:94.20m to 105.70m		1	11.50	(5.60 + 4.80)/2		0.04	2.39	
	Church Road								
	Ch:0.00m to 30.00m		1	30.00	(5.90 + 6.60)/2		0.04	7.50	
	Ch:30.00m to 60.00m		1	30.00	(6.60 + 5.60)/2		0.04	7.32	
	Ch:60.00m to 90.00m		1	30.00	(5.60 + 5.90)/2		0.04	6.90	
	Ch:90.00m to 120.00m		1	30.00	(5.90 + 5.80)/2		0.04	7.02	
	Ch:120.00m to 150.00m	17/4 E.E. (Project)	1	30.00	(5.80 + 6.35)/2		0.04	7.29	
	Ch:150.00m to 152.30m		1	2.30	(6.35 + 6.00)/2		0.04	0.57	
	33rd cross								
	Ch:0.00m to 30.00m		1	30.00	(5.45 + 5.30)/2		0.04	6.45	
	Ch:30.00m to 60.00m	17/4 E.E. (Project)	1	30.00	(5.30 + 5.35)/2		0.04	6.39	

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	Ch:60.00m to 90.00m		1	30.00	5.35 + 5.95 / 2	0.04	6.78	
	Ch:90.00m to 120.00m		1	30.00	5.95 + 5.80 / 2	0.04	7.05	
	Ch:120.00m to 150.00m		1	30.00	5.80 + 5.70 / 2	0.04	6.90	
	Ch:150.00m to 180.00m		1	30.00	5.70 + 5.60 / 2	0.04	6.78	
	Ch:180.00m to 210.00m		1	30.00	5.60 + 6.00 / 2	0.04	6.96	
	Ch:210.00m to 240.00m		1	30.00	6.00 + 5.15 / 2	0.04	6.69	
	Ch:240.00m to 270.00m		1	30.00	5.15 + 4.60 / 2	0.04	5.85	
	Ch:270.00m to 300.00m		1	30.00	4.60 + 4.40 / 2	0.04	5.40	
	Ch:300.00m to 305.00		1	5.00	4.40 + 4.40 / 2	0.04	0.88	
	24th E cross							
	Bell mouth		1	10.00	3.80 + 5.65 / 2	0.04	1.89	
	Ch:0.00m to 30.00m		1	30.00	5.65 + 5.70 / 2	0.04	6.81	
	Ch:30.00m to 60.00m		1	30.00	5.70 + 6.00 / 2	0.04	7.02	
	Ch:60.00m to 90.00m		1	30.00	6.00 + 5.20 / 2	0.04	6.72	
	Ch:90.00m to 120.00m		1	30.00	5.20 + 6.20 / 2	0.04	6.84	
	Ch:120.00m to 150.00m		1	30.00	6.20 + 6.20 / 2	0.04	7.44	
	Ch:150.00m to 180.00m		1	30.00	6.20 + 6.40 / 2	0.04	7.56	
	Ch:180.00m to 195.00m		1	15.00	6.40 + 6.90 / 2	0.04	3.99	
	Manhole opening		-10		0.28	0.04	-0.11	
	Valve opening		-4	1.80	1.50 + 1.50 / 2	0.04	-0.43	
						Present Qty	**358.80**	**Cum**

checked.
17/4/18
E.E. (Project)

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